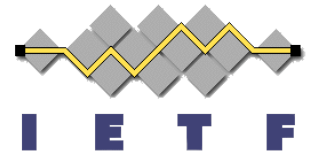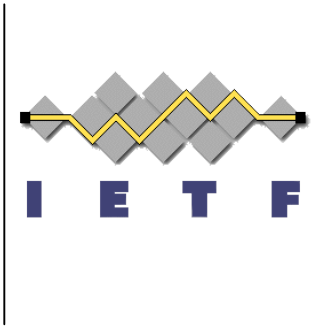# IPv6 Node Requirements -bis

John Loughney

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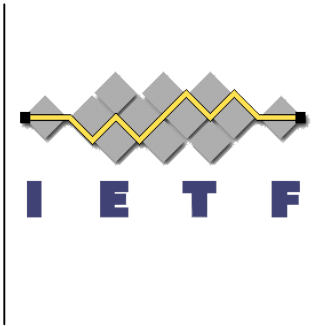
IETF 71

Current status

- draft-ietf-6man-node-req-bis-01.txt published, requires a few updates

  - used wrong boiler-plate, should be an Information document

  - Need to update a few references

  - Add some additional RFCs, at least "Deprecation of Type 0 Routing Headers in IPv6", RFC 5095

Potential issues

- Some discussion on the DoD requirements
  - DoD IPv6 Standards Profile, Version 2:
    - http://jitc.fhu.disa.mil/apl/ipv6/pdf/disr_ipv6_product_profile_v2.pdf
  - US Government IPv6 Profile Version 1, Draft 2:
    - http://www.antd.nist.gov/usgv6/usgv6-v1-draft2.pdf
- Asked for a short summary of the major differences between these and the Node Requirements, could be a short appendix, covering some of the differences & reasoning behind the differences.

Status of the draft

- Currently information, does not intend to update or modify existing Standards Track RFCs

- Comments have been that it is used as a Standards Track, putting "Requirements" seems to indicate something stronger than INFO

- Some WG members do want to modify existing RFC requirements, for example, see next slide …

Security
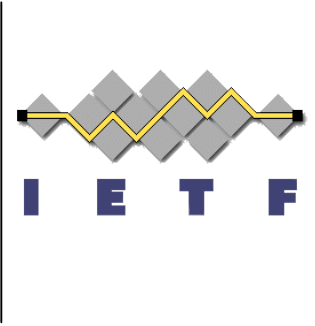
- Major sticking point is:
  - Security Protocols ESP [RFC4303] MUST be supported. AH [RFC4302] MAY be supported.
- Discussion has been that
  - 1) ESP may not be feasible in some devices
  - 2) Unnecessary in some devices when other security mechanisms might be used.
  - 3) Security without automated key-exchange is not useful.
- Alternatively, others are suggesting that having a mandatory to support security mechanism is a good thing.
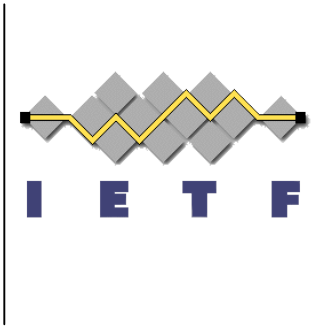
Security, next steps

- Simple proposal is to drop ESP support to a SHOULD.

- Are the chairs OK with this? ADs? Security Area ADs?

- If we do modify these requirements, then we should craft better text and also have an expanded discussion in the Security Considerations section, for example, referencing:

  - http://www.ietf.org/internet-drafts/draft-bellovin-useipsec-07.txt